

A Breath of Fresh Air : Billions in Change

Rishi Raj Charan*

The time for raising awareness is over. It is time to implement solutions to the most important global problems - water, energy and health. This paper is dedicated to the work done by Manoj Bhargava who is one such entrepreneur and a philanthropist with an estimated net worth of \$4 billion, the entrepreneur has pledged to put 99 percent of his wealth into solutions to help the world, for which he has initiated "Stage 2 Innovations", an investment fund established to accelerate the large-scale commercialization of innovative, patentable technologies in the global market. The primary focus of Stage 2 Innovations is Energy, Water & Health. The undercurrent of Stage 2 Innovations has been to come with simply simplistic solutions. The aim of this paper is to introduce the initiatives of Stage 2 Innovations in the fields of Energy, Water & Health.

Keywords: Energy, water, Health, Patentable technologies, Global market

INTRODUCTION

"We love our planet!" This statement evokes a humanistic fervour in league with the patriotic fervour we have for our nation. Our contribution in these altruistic spheres, however minuscule adds up to a cause larger than mankind. Having said that, how many of us rise to a level where we can make a major difference in our daily lives while being in harmony with the environment?

Manoj Bhargava is one such entrepreneur and a philanthropist. Lucknow-born Manoj Bhargava moved to Philadelphia with his parents during the 1960s and went on to complete his schooling and a year of undergraduate education at Princeton, before dropping out to return to India. After spending 12 years at Hanslok ashram in Delhi, he returned to the US to help his parents with their plastics company. After acquiring some regional plants and turning them around, Bhargava turned his focus from plastics to chemicals, and soon found himself entering a new space altogether. He founded the consumer products firm "Living Essentials Limited Liability Company", which would go on to unleash '5-hour Energy' upon the US. This beverage stands at more than \$3 billion in sales annually.

Now, with an estimated net worth of \$4 billion, Manoj has pledged to put 99 percent of his wealth into solutions to help the world, for which he has initiated "Stage 2 Innovations", an investment fund established to accelerate the large-scale commercialization of innovative, patentable technologies in the global market. The primary focus of Stage 2 Innovations is Energy, Water & Health. The undercurrent of Stage 2 Innovations has been to come with simply simplistic solutions.

OBJECTIVE

The aim of this paper is to introduce the initiatives of Stage 2 Innovations in the fields of Energy, Water & Health.

PREVIEW

The paper shall be covered in the following parts:-

- (a) Part I - Energy: Hans Free Electric & Limitless Energy.
- (b) Part II - Water: Rainmaker.
- (c) Part III - Health: Renew.

PART I-ENERGY: HANS FREE ELECTRIC & LIMITLESS ENERGY

Problem. We cannot imagine our life without electricity. Not only would we have no cell phones, computers or television, it would be difficult to light and heat our homes or prepare food without burning wood or coal. Food storage would be impossible. Half the world currently lives like this. Now imagine the difference electrical power could make to the lives of these people.



Solution. The Hans Free Electric machine gives people the power to generate electricity themselves - pollution free. The machine is small, light and simple. Here's how it works: A person pedals a hybrid bicycle. The bicycle wheel drives a flywheel, which turns a generator, which in turn charges a battery. Pedaling for one hour yields electricity for 24 hours with no utility bill, no exhaust and no waste.

Problem. Burning fossil fuels and creating nuclear reactions to generate electricity comes at a high cost both politically and environmentally. Alternative methods are limited and come with tradeoffs. The answer to these problems is right under our feet.

Solution. Not too far below the surface of the Earth, in the mantle, the temperatures range between 500-4000°C. This heat can create enough clean energy to power the world, and help keep things cool above. Using cables made from graphene, a form of pure carbon 100 times stronger than steel, the heat can be conducted to the surface of the Earth to run turbines and generate electricity - without burning anything. This is called Limitless Energy.

PART II- WATER: RAINMAKER

Problem. Half the world's population lives without adequate access to fresh, clean water for drinking, farming and sanitation. During long periods of

drought, the problem becomes more serious. But what if we could make more water?

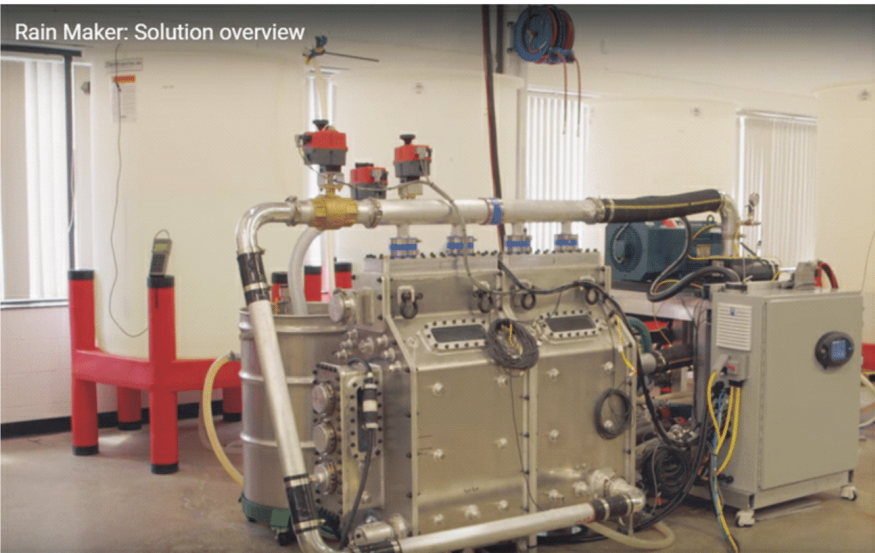
Solution. A machine called Rain Maker comes to the rescue. It mimics nature, turning seawater or polluted water into fresh water suitable for drinking and agriculture. Rain Maker makes more than just a little water. One machine the size of small car can make a thousand gallons per hour. Unlike other desalination systems, Rain Maker recycles its heat energy making it incredibly clean and efficient.

PART III- HEALTH : RENEW

Problem. Good blood circulation is the cornerstone of good health. Blood delivers nutrients and oxygen and removes waste from our cells. When blood flows freely and efficiently, the body is able to defend itself against disease. But poor blood flow can result in serious health problems like heart disease, diabetes, stroke, high blood pressure, dementia and cancer.

Solution. Renew is a blood flow enhancement machine that uses ECP (External Counterpulsation). ECP enhances blood flow by squeezing blood from the lower body into the core body while the heart is at rest. It's like an auxiliary heart pumping blood between heartbeats. This action increases circulation while reducing the heart's workload. The enhanced circulation widens blood vessels causing more blood to reach all areas of the body.

* Student MBA, Amity Business School



RECOMMENDATION & CONCLUSION

The availability of electricity has affected pollution from fossil fuel sources which has created huge health problems for people and the planet. The lack of electricity has been instrumental in keeping education, livelihood and basic necessities out of reach.

Solving water shortages will impact humanity in the most significant way. The availability of fresh water

means global and economic stability which is most vital for sustenance and progress of mankind.

The healthcare system for both rich and poor is inadequate. It focuses on treating illness. But a more sensible approach is to prevent illness. Technologies that help prevent illness exist. They need to be implemented for the benefit of people – free from profit seekers and government red tape.

The embarkation of innovative, progressive, path

breaking and simple technologies will not only lead to an ecological balance but secure the future generations of mankind.

REFERENCES

<http://www.billionsinchange.in>
<https://www.youtube.com/watch?v=YY7f1t9y9a0>
<https://www.forbes.com/profile/manoj-bhargava/>
https://en.wikipedia.org/wiki/Manoj_
https://twitter.com/manoj_bhargava?lang=en
<https://www.inc.com/ilan-mochari/5-hour-energy-billions-in-change.html>
www.wsj.com/.../a-day-in-the-life-of-5-hour-energy-creator-manoj-bhargava-144647
<https://www.inc.com/ilan-mochari/5-hour-energy-billions-in-change.html>
stage2innovations.com

www.freep.com/story/money/business/columnists/tom.../bhargava.../73075136/
fortune.com/2015/10/29/water-desalination-stage-2-innovations-manoj-bhargava/
<https://www.inc.com/ilan-mochari/5-hour-energy-billions-in-change.html>
news.nationalgeographic.com/.../151006-energy-drink-billionaire-wants-to-power-ho
<https://player.fm/series/how-i-built-this-1324390/5-hour-energy-manoj-bhargava>
articles.economictimes.indiatimes.com/.../31318781_1_charity-work-manoj-bhargava...
www.designindaba.com/videos/.../free-electric-bicycle-generates-free-clean-energy
<https://www.aol.com/.../5-hour-energy-a-success-equal-parts-caffeine-chemistry-and-...>
www.dnaindia.com/India/News